XUX5APBNM12

photo-electric sensor - XUX - diffuse - Sn 2.1m - 12..24VDC - M12

Green Premium™ Product

Main

Range of product	OsiSense XU
Series name	General purpose single mode
Electronic sensor type	Photo-electric sensor
Sensor name	XUX
Sensor design	Compact 92 x 71
Detection system	Diffuse
Material	Plastic
Type of output signal	Discrete
Supply circuit type	DC
Wiring technique	3-wire
Discrete output type	PNP
Discrete output function	1 NC
Electrical connection	1 male connector M12, 4 pins
Product specific application	-
Emission	Infrared diffuse
[Sn] nominal sensing distance	6.89 ft (2.1 m) diffuse

Complementary

Enclosure material	PBT
Lens material	PMMA
Maximum sensing distance	9.84 ft (3 m) diffuse
Output type	Relay
Cable entry	1 entry for M16 x 1.5 cable gland 0.28…0.39 in (7…10 mm)
Status LED	1 LED yellow)output state 1 LED green)supply
[Us] rated supply voltage	24...240 V AC/DC
Switching capacity in mA	3 A cos φ = 1 for 0.5 million cycles at 1 operating cycle per second at 250 V) 0.5 A (cos φ = 0.4 for 0.5 million cycles at 1 operating cycle per second at 250 V)
Switching frequency	<= 20 Hz
Maximum voltage drop	<1.5 V closed state)
Current consumption	<= 35 mA no-load
Maximum power consumption in W	2 W AC/DC
Maximum delay first up	60 ms
Maximum delay response	25 ms
Maximum delay recovery	25 ms
Setting-up	Sensitivity adjustment
Electrical durability	500000 Cycles 1 60 cyc/mn 250 V 500000 cycles 0.4 60 cyc/mn 250 V
Depth	3.03 in (77 mm)
Height	3.62 in (92 mm)
Maximum Width	1.22 in (31 mm)
Net Weight	0.44 lb(US) (0.2 kg)

Environment

Product certifications	CSA UL CE
Ambient air temperature for operation	-13…131 °F (-25…55 °C)
Ambient air temperature for storage	-40…158 °F (-40…70 °C)
Vibration resistance	7 gn +/- 1.5 mm 10…55 Hz) IEC 60068-2-6
Shock resistance	30 gn 11 ms) IEC 60068-2-27
IP degree of protection	IP67 double insulation IEC 60529 IP65 double insulation IEC 60529

Ordering and shipping details

Category	22481 - SENSORS, PHOTOELECTRIC
Discount Schedule	DS2
GTIN	00785901500919
Nbr. of units in pkg.	1
Package weight(Lbs)	0.4 lb(US) (0.18 kg)
Returnability	No
Country of origin	FR

Packing Units

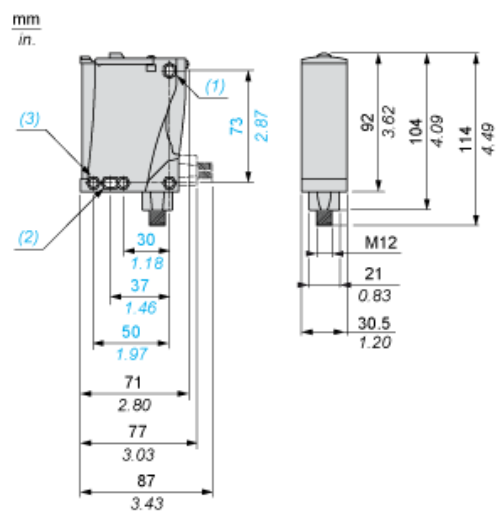|	
Unit Type of Package 1	PCE
Package 1 Height	1.65 in (4.2 cm)
Package 1 width	3.62 in (9.2 cm)
Package 1 Length	5.16 in (13.1 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months

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Dimensions

(1)   Elongated hole Ø 5.5 x 7
(2)   Elongated hole Ø 5.5 x 9
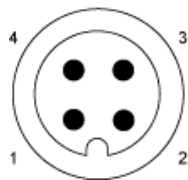(3)   Ø 5.5 hole

Mounting and Clearance

Possible Orientation of Elbowed Connector (Rear View)
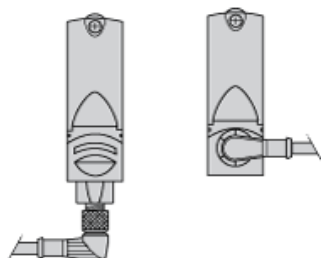
Wiring Schemes

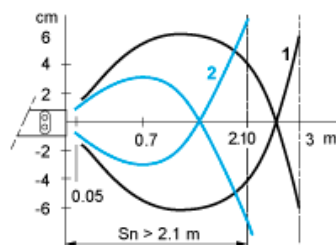### M12 Connector

PNP/NPN DC

M12		Terminals		
1	●	1	⊘	+
3	●	2	⊘	-
4	●	3	⊘	Output

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Detection Curves

1 :   White 90%
2 :   Grey 18%
Object 10 x 10 cm

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